



Standards *Actions*

Documents Recently Published

The Technical Standards Program is sponsoring a project at OSTI to place *all* DOE technical standards (i.e., standards and handbooks) on the Internet. To date, 57 DOE technical standards have been placed on the Internet at the following address:

<http://apollo.osti.gov/html/techstds/techstds.html>

The following DOE technical standards have recently been placed on the Internet:

- DOE-STD-3006-95, *Planning and Conduct of Operational Readiness Reviews (ORR)*, November 1995.

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Please note that distribution of *ANSI Standards Action* is normally made only to individual members of ANSI or in group mailings to site members of ANSI. For information on site membership, ask your local ANSI contact. For information on individual or group membership, call Bethany Marks at 212-642-4948. For further information on distribution policies of ANSI publications, call the ANSI distribution manager at 212-642-4952.

Copies of *ANSI Standards Action* and ANSI-published documents may be obtained from ANSI, 11 West 42nd Street, New York, NY 10036 (212-642-4900, FAX 212-302-1286). Comments on listed draft standards may be submitted by contacting the standards developing organization for information.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a complete listing of changes and new publications, standards developing organizations, and additional information about submitting comments.

The following American National Standards are currently in coordination:

- AMCA 204-96, *Balance Quality and Vibration Levels for Fans* (new standard); comments due February 6, 1996.

- ASHRAE 120P, *Methods of Testing to Determine Flow Resistance of HVAC Air Ducts and Fittings* (new standard); comments due February 6, 1996.

- ISO/ASQC A3534-1, *Statistics - Vocabulary and Symbols - Probability and General Statistical Terms* (new standard); comments due January 26, 1996.

- ISO/ASTM/ASQC/NSF 14004, *Environmental management systems - General guidelines on principles, systems and*

supporting techniques (new standard); comments due February 6, 1996.

- ISO/ASTM/ASQC/NSF 14010, *Guidelines for Environmental Auditing - General Principles* (new standard); comments due February 6, 1996.

- (NFPA) T3.6.7 R2, *Fluid power systems and products - Square head industrial cylinders - Mounting dimensions* (new standard); comments due February 6, 1996.

- UL 555, *Standard for Safety for Fire Dampers* (revision of ANSI/UL 555-1989); comments due February 6, 1996.

- UL 1056, *Standard for Safety for Fire Test of Upholstered Furniture* (new standard); comments due February 6, 1996.

- Z21.40.2/CGA 2.92, *Safety and Construction of Gas-Fired Work Activated Air-Conditioning and Heat Pump Appliances (Internal Combustion)* (new standard); comments due January 26, 1996.

The following international standards are currently in coordination (due dates follow each entry):

- 13/1093/FDIS, Draft IEC 1358: *Acceptance inspection for direct connected alternating current static watt-hour meters for active energy (Classes 1 and 2)* - December 31, 1995.

Technical Standards Program Document Status as of 12/31/95

In Conversion	In Preparation	Out for Comment	Published in Past 30 Days
23	54	21	0

Total in process = 75

- 23A/254/FDIS, *Cable trunking and ducting systems for electrical installations. Part 2: Particular requirements - Section 3: Slotted trunking systems to be installed in cabinets* - December 15, 1995.
 - 45B/157/FDIS, Draft IEC 1344: *Radiation protection instrumentation - Monitoring equipment - Personal warning devices for X and gamma radiations* - December 31, 1995.
 - 64/794/FDIS, Draft IEC 364-7-714: *Electrical installations of Buildings - Part 7: Requirements for special installations or locations - Section 714: External lighting installations* - December 15, 1995.
 - 77C/27/FDIS, IEC 1000-2-9: *Electromagnetic Compatibility (EMC) - Part 2: Environment - Section 9: Description of HEMP environment radiated disturbances - Basic EMC publication* - December 15, 1995.
 - ISO 6405-2: 1993/DAM 1, *Earth-moving machinery - Symbols for operator controls and other displays - Part 2: Specific symbols for machines, equipment and accessories Amendment 1: Additional symbols* - February 19, 1996.
 - ISO/DIS 10012-2, *Quality assurance requirements for measuring equipment - Part 2: Control of measurement processes* - February 9, 1996.
 - ISO/DIS 10303-45, *Industrial automation systems and integration - Product data representation and exchange - Part 45: Integrated generic resources: Materials* - February 26, 1996.
 - ISO/DIS 10211-2, *Thermal bridges in building construction - Heat flows and surface temperatures - Part 2: Calculation of linear thermal bridges* - January 19, 1996.
 - ISO/DIS 12151-2, *Connections for hydraulic fluid power and general use - Hose fittings - Part 2: Hose fittings with ISO 8434-1 and ISO 8434-4 24° cone connector ends with O-rings* - February 9, 1996.
 - ISO/DIS 12478-1, *Cranes - Maintenance manual - Part 1: General* - January 26, 1996.
 - ISO/DIS 13464, *Simultaneous determination of uranium and plutonium in dissolver solutions from reprocessing plants - Combined method using K-absorption edge and X-ray fluorescence spectrometry* - February 9, 1996.
 - prEN 720-2, *Transportable gas cylinders - Gases and gas mixtures - Part 2: Determination of flammability and oxidizing ability of gases and gas mixtures* (for information).
 - prEN ISO 834-1, *Fire-resistance tests - Elements of building construction - Part 1: General requirements (ISO/DIS 834-1: 1995)* (for information).
 - prEN 826, *Thermal insulating products for building applications - Determination of compression behaviour* (for information).
 - prEN 1092-4, *Flanges and their joints - Circular flanges for pipes, valves fittings and accessories, PN designated - Part 4: Aluminium alloy flanges* - March 12, 1996.
 - prEN 12085, *Thermal insulating products for building applications - Determination of linear dimensions of test specimens* - February 6, 1996.
 - prEN 12101-1, *Smoke and heat control systems - Part 1: Specification for smoke curtains - Requirements and test methods* - February 1, 1996.
 - prEN 12109, *Vacuum drainage systems inside buildings* - February 6, 1996.
 - prEN 12112-2, *Flexible sheets for waterproofing - Determination of tear properties - Part 2: Thermoplastic and elastomeric sheets* - February 5, 1996.
 - prEN 12150, *Glass in building - Thermally toughened safety glass* - February 28, 1996.
 - prEN 12151, *Machinery and plant for the preparation of concrete and mortar - Safety requirements* - February 21, 1996.
 - prEN 12158-1, *Builders hoists for the transport of goods - Part 1: Hoists with accessible platforms* - February 28, 1996.
 - prEN 12170, *Heating systems in buildings - Procedure for the preparation of document in respect of operation, maintenance and use - Heating systems requiring an operator qualified for the purpose* - February 29, 1996.
 - prEN 12186, *Gas pressure regulating stations for transmission and distribution* - March 12, 1996.
 - prENV 12204, *Advanced Manufacturing Technology - Systems Architecture - Constructs for Enterprise Modelling* (for information).
- The following newly published international standards are available from ANSI:**
- IEC 50(394): 1995, *International Electrotechnical Vocabulary-Chapter 394: Nuclear instrumentation: Instruments*.
 - IEC 904-8: 1995, *Photovoltaic devices - Part 8: Guidance for the measurement of spectral response of a photovoltaic (PV) device*.
 - IEC 1010-2-061: 1995, *Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-061: Particular requirements for laboratory atomic spectrometers with thermal atomization and ionization*.
 - IEC 1243-2: 1995, *Live working - Voltage detectors - Part 2: Resistive type to be used for voltages of 1 kV to 36 kV a.c.*
 - IEC 1311: 1995, *Radiation protection instrumentation - Equipment for continuously monitoring beta and gamma emitting radionuclides in liquid effluents or in surface waters*.

- IEC 1332: 1995, *Soft ferrite material classification*.
- ISO 616:1995, *Coke-Determination of shatter indices*.
- ISO 728:1995, *Coke (nominal top size greater than 20 mm)-Size analysis by sieving*.
- ISO 1709: 1995, *Nuclear energy-Fissile materials-Principles of criticality safety in storing, handling and processing*.
- ISO 3977:1991/Amd. 1: 1995, *Gas turbines-Procurement-Amendment 1: Basic procurement information for combined-cycle plants*.
- ISO 8144-1:1995, *Thermal insulation-Mineral wool mats for ventilated roof spaces-Part 1: Specification for applications with restricted ventilation*.
- ISO 11845: 1995, *Corrosion of metals and alloys - General principles for corrosion testing*.
- ISO 10606: 1995, *Steel for the reinforcement of concrete - Determination of percentage total elongation at maximum force*.
- ISO 10253: 1995, *Water quality - Marine algal growth inhibition test with *Skeletonema costatum* and *Phaeodactylum tricornutum**.

American Society for Testing and Materials

Standards activities of the American Society for Testing and Materials (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9692. ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (FAX 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9743 (FAX 610-832-9666). The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination: (the due date for all items is January 10, 1996).

- New Standard, *Practice for Contact Performance Classification of Electrical Connection Systems* (Ref. Z2744Z).
- New Standard, *Guide for Selection and Use of Portable Radiological Survey Instruments for Performing In Situ Radiological Assessments in Support of Decommissioning* (Ref. Z5156Z).
- New Standard, *Guide for Environmental Monitoring for Decommissioning of Nuclear Facilities* (Ref. Z5839Z).

- New Standard, *Guide for Unrestricted Disposition of Bulk Materials Containing Residual Amounts of Radioactivity* (Ref. Z3299Z).
- New Standard, *Test Method for Determining Energy Consumption of Facsimile Machines* (Ref. Z3969Z).
- New Standard, *Practice for Taking Body Measurements and Size Selection of Fire and Rescue Services Station/Work Uniforms and Other Occupational Uniforms* (Ref. Z5196Z).
- E 1034-95, *Specification for Nuclear Facility Transient Worker Records* (revised standard).
- E 1168-95, *Guide for Radiological Protection Training for Nuclear Facility Workers* (revised standard).

The following newly published standards are available from ASTM:

- B 857-95, *Specification for Shaped Wire Compact Concentric-Lay-Stranded Aluminum Conductors, Coated-Steel Supported* (new standard).
- C 1293-95, *Test Method for Concrete Aggregates by Determination of Length Change of Concrete Due to Alkali-Silica Reaction* (new standard).
- C 1030-95, *Test Method for Determination of Plutonium Isotopic Composition by Gamma-Ray Spectrometry* (revised standard).
- D 5683-95, *Test Method for the Flexibility of Roofing and Waterproofing Materials and Membranes* (new standard).
- D 5743-95, *Practice for Sampling Single or Multilayered Liquids, with or without Solids, in Drums or Similar Containers* (revised standard).
- E 1686-95, *Guide for Selection of Environmental Noise Measurements and Criteria* (new standard).
- E 1692-95, *Classification for Serviceability of an Office Facility for Change and Churn by Occupants* (new standard).
- E 1700-95, *Classification for Serviceability of an Office Facility for Structure and Building Envelope* (new standard).
- PS 11-95, *Practice for Environmental Regulatory Compliance Audits* (new standard).
- PS 12-95, *Guide for the Study and Evaluation of an Organization's Environmental Management Systems* (new standard).
- PS 31-95, *Test Method for Ball Drop on Controlled Low Strength Material to Determine Suitability for Load Application* (new standard).

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

American Society of Heating, Refrigerating and Air-Conditioning Engineers

Office: 1791 Tullie Circle, N.E.
Atlanta, GA 30329-5478

Contact: Jim L. Heldenbrand

- ASHRAE 162P, *Methods of Testing Dampers Used in Smoke Management Systems* (new standard).

Security Industry Association

Office: 635 Slaters Lane, Suite 110
Alexandria, VA 22314

Contact: Virginia Williams

- SIA 2-PIDO1D-1995, *Point Identification Multiplex Protocol for Security and Life Safety Applications* -

Addressable detectors, annunciators, and other associated devices (new standard).

Underwriters Laboratories, Inc.

Office: 1285 Walt Whitman Road
Melville, NY 11747-3081

Contact: Patricia Tymus

- UL 1693, *Standard for Safety for Electric Radiant Heating Panels and Heating Panel Sets* (new standard).

Office: 333 Pfingsten Road
Northbrook, IL 60062-2096

Contact: Mary Jo Borja

- UL 443, *Standard for Safety for Steel Auxiliary Tanks for Oil-burner Fuel* (revision).

Comments or Questions

If you have any questions or comments, please contact Rick Serbu (EH-31), Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856. Questions or comments may also be referred to Don Spellman, 423-574-7891, c/o Performance Assurance Project Office, Oak Ridge National Laboratory, P.O. Box 2009, Oak Ridge, Tennessee 37831-8065. The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 423-574-7886.



Standards *Actions*

United States Department of Energy

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